IN THE CLAIMS

Please amend the claims as follows:

1) (canceled)

2) (canceled)

3) (canceled)

4) (canceled)

5) (canceled)

6) (canceled)

7) (canceled)

8) (canceled)

9) (canceled)

10) (amended) A method for simultaneously analyzing a mixture of electrochemically reversible materials comprising the steps of:

a) passing said materials through a liquid chromatographic column for achieving time-spaced separation of the materials eluted from the column;

b) oxidizing said materials by passing the materials through a coulometric guard cell having a voltage of at least about +700 mV; and

c) passing said materials through an analytical cell consisting essentially of a series of at least two coulometric electrodes, wherein the first electrode operates in a reductive mode and the second electrode operates in an oxidative mode at a potential so as to detect and coulometrically measure electrochemically reversible materials in said sample;

said at least two coulometric electrodes being arranged in series and defining collectively at least one flow channel for said sample solution.

11) (canceled)

12) (amended) The method of claim [[11]] 10 wherein said first electrode of the analytical cell is operated at about -650 mV and the second electrode of the analytical cell is operated at about +500 mV.

13) (amended) The method of claim 12 wherein said mixture ~~aqueous sample solution~~ comprises a mixture of quinones and hydroquinones in a biological fluid.

14) (original) The method of claim 13 wherein the biological fluid is selected from the group consisting of plasma, serum, urine, CSF, amniotic fluid and blood.

15) (original) The method of claim 14 wherein said aqueous sample comprises a mixture of CoQ_{10} and $CoQ_{10}H_2$ in a biological fluid.

16) (original) The method of claim 15 wherein said biological fluid is heparinized human plasma.

17) (original) The method of claim 16 wherein the aqueous sample solution is diluted with 1-propanol.

18) (new) The method of claim 10 wherein Coenzyme Q_9 is used as an internal standard.

19) (new) The method according to claim 10 wherein the solution is derived from solid matrices such as tissues, cell lysate and solid pharmaceutical formulations.